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JP1213390A2: FERROELECTRIC LIQUID CRYSTAL COMPOSITION

LIQUID CRYSTAL DISPLAY ELEMENT

Title:

JP Japan

왕Kind:

ଟ୍ଟ Inventor:

ICHIHASHI MITSUYOSHI:

TERAJIMA KENJI; KIKUCHI MAKOTO; TAKESHITA FUSAYUKI; **FURUKAWA KENJI**;

PAssignee:

CHISSO CORP

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Published / Filed:

Aug. 28, 1989 / Feb. 22, 1988

PApplication Number:

JP1988000039286

PIPC Code:

C09K 19/46; C09K 19/42; C09K 19/44; G02F 1/137;

Priority Number:

Feb. 22, 1988 JP1988000039286

PURPOSE: To obtain the present composition, consisting of specific ferroelectric chiral smectic Y liquid crystal compounds and capable of displaying half tone and providing a liquid crystal

element having extremely high rate of response.

CONSTITUTION: The objective composition consisting of two or more compounds selected from the group of ferroelectric chiral smectic Y liquid crystal compounds expressed by formulas IWVII, etc. For example, three-color display can be carried out as follows, black, orange and blue in use as a display element of 6µm cell gap and black, violet and yellowish green in use as a display element

of 5µm cell gap.

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운 Family:

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References:

PDF	Patent	Pub.Date	Inventor	Assignee	Title
22	<u>US6267910</u>	2001-07-31	Hayashi; Hitoshi		Antiferroelectric liquid c composition
7 2	US6133469	2000-10-17	Mine; Takakiyo	i inamical	Anti-ferroelectric liquid (compound
22	US6129859	2000-10-10	Hijikata; Yoshimasa		Antiferroelectric liquid c composition



煜	<u>US6103517</u>	2000-08-15	Mine; Takakiyo	Company	Process for the product an optically active alcohovel optically active alcohovel
22	<u>US6002042</u>	1999-12-14	Mine; Takakiyo	Mitsubishi Gas Chemical Company, Inc.	Liquid crystal compound
22	<u>US5980780</u>	1999-11-09	Motoyama; Yuki	Mitsubishi Gas Chemical Company, Inc.	Racemic compound and ferroelectric liquid crystacomposition containing compound
22	<u>US5976409</u>	1999-11-02	Mineta; Hiroshi	Mitsubishi Gas Chemical Company, Inc.	Swallow-tail-shaped liquerystal compound
23	US5972242	1999-10-26	Takigawa; Kenji	Denso Corporation	Smectic liquid crystal composition and liquid display
22	<u>US5968413</u>	1999-10-19	Mine; Takakiyo	Mitsubishi Gas Chemical Company, Inc.	Anti-ferroelectric liquid compounds
	<u>US5955001</u>	1999-09-21	Takigawa; Kenji	Nippon Soken, Inc.	Antiferroelectric liquid c composition and liquid a indicating element
%	US5723069	1998-03-03	Mineta; Hiroshi	Mitsubishi Gas Chemical Company, Inc.	Anti-ferroelectric liquid compound and anti-ferr liquid crystal compositic
22	<u>US5716545</u>	1998-02-10	Kikuchi; Katsuhide	Nippon Soken, Inc.	Antiferroelectric liquid c composition
22	<u>US5705094</u>	1998-01-06	Takeuchi; Akira	Nippon Soken, Inc.	Antiferroelectric liquid c composition and liquid display element using the composition are the composition and liquid display element using the composition are the composition and the composition are the composition and the composition are the composition are the composition are the composition are the composition and the composition are the composition are the composition are the composition and the composition are the c
28	<u>US5700392</u>	1997-12-23	Kikuchi; Katsuhide	Nippon Soken, Inc.	Antiferroelectric liquid c composition
2%	US5676881	1997-10-14	Takigawa; Kenji	Nippon Soken Inc.	Antiferroelectric liquid c composition
Æ	<u>US5609790</u>	1997-03-11	Tanaka; Takashi	Seiko Epson Corporation	Liquid crystal compositi
Æ	US5364560	1994-11-15	Mizukami; Masamichi	Mitsubishi Gas Chemical Co., Inc.	Liquid crystal compound liquid crystal display de
2	<u>US5330678</u>	1994-07-19	Okabe; Nobuhiro	Showa Shell Sekiyu Kabushiki Kaisha	Liquid crystal compound
æ	US5262086	1993-11-16	Suzuki; Yoshiichi	Showa Shell Sekiyu Kabushiki Kaisha	Liquid crystal compoun
A	US5184847	1993-02-09	Suzuki; Yoshiichi	Showa Shell Sekiyu Kabushiki Kaisha	Liquid crystal compound
22	<u>US5130050</u>	1992-07-14	Hagiwara; Takashi	Showa Shell Sekiyo Kabushiki Kaisha	Liquid crystal compound

POther Abstract Info: DERABS C89-289849 DERC89-289849